BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Yelahanka Division
B.B.M.P. Bangalore - 64

APPROVED SCHEDULE - B

Name of work: Construction of Samudaya Bhavana near Manavarthi thota at pump house in ward No- 02 of yelahanka Sub division.

Sl. No.	Description	Unit	Approved Quantity	Rate approved by	
				Rate	Rate In Words
1	KSRB 2-1.1: Earth work in surface excavation in hard soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.2/ PWD SR 2014-15	cum	129.60	172.78	Rupees one hundred seventy two and paise seventy eight only
2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2014-15	cum	53.25	259.70	Rupees two hundred fifty nine and paise seventy nine only
3	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 141 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 141 (SR 2014-15)	cum	182.85	76.79	Rupees seventy six and paise seventy nine only
4	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M7.5 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2014-15	Cum	31.88	4757.28	Rupees four thousand seven hundred fifty seven and paise twenty eight only

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Sl. No.	Description	Unit	Approved Quantity	Rate	Rate approved by Rate In Words
5	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2014-15	Cum	29.74	5952.96	Rupees five thousand nine hundred fifty two and paise ninty six only
6	KSRB 5.2.3 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2014-15	Cum	24.12	3610.36	Rupees three thousand six hundred ten and paise thirty six only
7	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:8, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 26/ Item No. 5.9/ PWD SR 2014-15	Cum	8.46	4458.36	Rupees four thousand four hundred fifty eight and paise thirty six only
8	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 122/ Item No. 15.1 PWD SR 2014-15	sqm	37.60	90.10	Rupees ninety and paise ten only
9	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, No. 6/ Item No. 2.10/ PWD SR 2014-15	Cum	43.20	116.60	Rupees one hundred sixteen and paise sixty only
10	KSRB 4-6.6 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars, piers, post and struts, circular or curved in plan including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.33/ PWD SR 2014-15	sqm	46.08	874.50	Rupees eight hundred seventy four and paise fifty only

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Sl. No.	Description	Unit	Approved Quantity	Rate approved by	
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11	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 25/ Item No. 5.27/ PWD SR 2014-15	sqm	62.00	975.20	Rupees nine hundred seventy five and paise twenty only
12	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2014-15	Quintal	5.69	7690.09	Rupees seven thousand six hundred ninty and paise nine only
13	KSRB 15.3.1 : Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever reuired smooth rendering, : Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. Page No. 122/ Item No. 15.11/ PWD SR 2014-15	sqm	208.50	140.98	Rupees one hundred forty and paise ninty eight only
14	KSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. with primer,page No.114 item No.15.53.2/PWD SR 2014-15	sqm	208.50	79.50	Rupees seventy nine and paise fifty only
17	Fabricating supplying and erecting M.S. TubulerTruss of span upto 10m bottom and top member is provided with 50x50x6mm double equale angles, welded back to back and in between top and bottom line, in ereas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided all the members are weldeded toghter with 6mm gusset plate as per drawing, The enter truss is anchored in RCC column buy using 4Nos of M.S anchor bolts at eacth support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening , pacing in position of M.S angle and welding wherever necessary, and applying one of red oxide primer coat to all the members including cost of all materials, labour charges,and higher charges of mechineries for cutting welding, granding and erection equipments, with all lead and lift, transportation, etc, complete as per specification. Page No. 45/ I No. 7.29/ PWD SR 2016-17	Kgs	7046.18	116.60	Rupees one hundred sixteen and paise sixty only

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Sl. No.	Description	Unit	Approved Quantity	Rate	Rate approved by Rate In Words
18	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trpezoidal profiled sheet of approved make 1060mm width (1000mm cover width), 28-30 mm crest height with cest distance of 200 mm c/c with 2ribs at the center for stiffening , The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc –Alu Alloy coating AZ 150 gsm as pe ASTM 1397/A755-550 mpa steel grade 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling /self tapping screws of 25mm length,to be fixed over the existing purlins, rafters channel and trusses. No. 300/ Item No. 38.30 PWD SR 2016-17	sqm	225.00	816.20	Rupees eight hundred sixteen and paise twenty only
	B) Electrification work for Rangamandhira				
1	pointing wiring using copper with switch: Supplying and wiring adoping loop system in exiting PVC conduit/casing caping using copper PVC insulated multi strand 2 x1.5 sqmm coper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/PVC round block. Complete for each outlet.II point wiring using class B materials (3/6) a) Short point upto 3 mtrs from tapping point to out let via switch	Each	6	160.00	Rupees one hundred sixty and paise zero only
	Medium point above 3Mtrs upto 6Mtrs from taping point to out let via switch	Each	6	245.00	Rupees two hundred forty five and paise zero only
	a) Long point above 6Mtrs upto 10 Mtrs from tapping point to out let via switch	Each	10	345.00	Rupees three hundred forty five and paise zero only
2	Wiring for lightin/power circuit using one of PVC insulted 1100v grade,multistrand copper conductor single core cable in open or consealed system of wiring.II Group B e) 6 sqmm (9/20)	Each	12	45.00	Rupees forty five and paise zero only
3	Groove Cutting : Supplying ... dia 2mm/2.5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary a) 19/20mm dia 2mm thick (2/3)	Per Mtr	12	43.00	Rupees forty three and paise zero only
4	Supplying and fixing PVC/metal conduit accessories special type Junction Box a) 19/20mm junction box (3/5)	Each	6	18.00	Rupees eighteen and paise zero only
	DEEP Junction Box a) 18/20 mm deep junction box	Each	12	29.00	Rupees twenty nine and paise zero only
5	32.Supplying and fixing metal fan box with round hook (32/11)	Each	6	72.00	Rupees seventy two and paise zero only
6	Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work complete. (6/3) b) 12"x9"x3" (300x228x76mm)	Each	4	80.00	Rupees eighty and paise zero only

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7	Supplying and fixing of modular switch/Scocket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate. II using group B" Meterial (8/18) e) 600 watts dimmer	Each	6	390.00	Rupees three hundred ninty and paise zero only
	g) 16 Amps one way switch	Each	6	115.00	Rupees one hundred fifteen and paise zero only
	J) 6/16 Amps Universal Socket	Each	6	170.00	Rupees one hundred seventy and paise zero only
8	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulators etc., and fixing on existing wooden or metal box using N.F.Screws. (22/10)	sq.cm	1300	0.22	Rupees zero and paise twenty two only
9	Supplying surface mounted type mirror optic luminaries for single/twin 36/40 watts fluorescent lamps cross rising of stove enameled deep coloured M.S.low profile housing complete with all accessories and high purity anodized aluminium reflector assembling along with cross louvers including necessary fluorescent tubes with Energy saving Electronic Ballest Etc. complete set II 2x4' 36/40 watts B) group B' (5/17)	Each	6	2500.00	Rupees two thousand five hundred and paise zero only
10	supplying capacitor type celing fan complete with dawn blades,shackle,canopies etc for operation on 230 Volts, 50 cycles,single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved 1 48" Sweep(1200 mm) a) Regular Model (23/23)	Each	4	1800.00	Rupees one thousand eight hundred and paise zero only
11	Supplying exhaust fan of 1440 RPM of 300mm (12") size with bracket blades complete for e for light duty suitable for operate on 230 V 50 Hz, AC Supply... a) Group A' (21/22)	Each	4	1250.00	Rupees one thousand two hundred fifty and paise zero only
12	Supply patty type fluorescent tube light fitting of 4-36/40 watts flourescent tube fitting,made out of M.S sheet and stove eanmeled with low loss open construction copper wound ferromagnetic ballast, strter,locking type prass contact holders mounted on double fold type sheet base fully wired for use on 230 volts A C supply including 1NO 4-36/40 watts fluorescent tube.) (2/16) Group A	Each	4	360.00	Rupees three hundred sixty and paise zero only
13	Fixing all types and all capacities fluorescent/false celing/spot light/CFL fitting indoor on the wall/ celing/rafters/griders using 23/0.0076" twin twisted PVC insulated wires,required nos of blocks and clamps(if required) a) On wall/ ceiling/ Rafter/Griders (7/29)	Each	8	105.00	Rupees one hundred five and paise zero only
14	Fixing one ceiling/wall mounting fan of all capacities and all types to the exiting S hook with fan regular to the exiting board together with supplying and fixing a 5 ampers ceiling rose,necessary langth of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely. (8/29)	Each	6	105.00	Rupees one hundred five and paise zero only
15	Fixing one exhaust fan in the nitch already left in the wall with bolts and nuts 5 amps ceiling rose with sufficient length of 23/0.0076 inch PVC insulated twin core wire of apporoved Make (12/29)	Each	2	310.00	Rupees three hundred ten and paise zero only

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Sl. No.	Description	Unit	Approved Quantity	Rate	Rate approved by Rate In Words
16	Supplying,fixing wiring earth electrode for grouding conduits. I.C cutouts and other equipment on the meter board using 40mm dia 2.90 thick GI2.5 mtrlong buried in a pit should be filled with equal proporation of salt and charcoal 150mm alround the pipe to complete depth. The conection from the pipe to the conduit etc is to be established throughGI wire of size as oer ISI specifications 7.33 of IS 732 using 12mm dia bolts,nuts,washers and checknutsetc,the pipe shall have 16 through holes 12mm dia (68/01)	Each	4	1950.00	Rupees one thousand nine hundred fifty and paise zero only
17	suplying and mixing miniature circuit breakers on exiting MCB distribution boards using necessary fixing materials and C type curve,indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10k and complete wiring as required. a) 32 Amps SP 1)Group A (12/36)	Each	4	195.00	Rupees one hundred ninty five and paise zero only
18	Energy meter box. Supply and instalation/fixing/ provision of outdoor type thermoplastic modular panel enclousers with transperent polycarbonate lid shock proof,coreosion proof having internally embedded gasket on both lid and flap suitable to fix. Single phase/three phase energy meter in suitable base plate and having a provision fo fuse/ MCB cutout with suitable transperent hinged flap opening for operating MCB along with complete tamper proof SEALING facility. a) 300 x 300 x 214 mm (40/42)	Each	3	3055.00	Rupees three thousand fifty five and paise zero only
19	Supplying of LT UG cable having aluminium conductor PVC insulated,sheathed,galvanized,steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV class A PVC Cabled)4 core 16 sqmm (68/04)	Per Mtr	10	150.00	Rupees one hundred fifty and paise zero only
20	Labour charges for laying of 1.1KV Class UG cable in existing trench GI pipe stoneware pipe/on wall/on pole as required a) 6sqmm to 16 10 sqmm (5/69)	R.Mtr	10	8.00	Rupees eight and paise zero only
21	Digging of trench of 0.6mm deep * 0.50 mtr wide refilling the trench to the required ground level and consolidating etc. complete.(As per Civil SR KSRB 1-2p-7)a. in Ordinary soil (6/70)	R.Mtr	10	40.00	Rupees forty and paise zero only
22	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not lessthan 3.25mm on pole/wall/drain crossing eith necessary clamping arrangements for UG cable of 1.1 KV class B.50 mm (9/70)	Mtr	10	260.00	Rupees two hundred sixty and paise zero only
23	Suplying and fixing L.T cast Iron Pot Heads suitable for 1.1KV class UG cable filled with Necessary bitumen/insulating compound complete with erminals,clamps,bolts,nuts and washers etc,. b. 16 Sqmm (10/70)	Each	10	260.00	Rupees two hundred sixty and paise zero only

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Signature of the Contractor

Executive Engineer,
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